

CLAIMS

Sub. C1 1. A flight information display for the flight deck of an aircraft showing a side view of the flight path or the area directly in front of the aircraft area having a selected distance of at least 0.5 nautical miles, comprising (a) a pictorial representation to scale of the profile of the highest elevations of a swath of terrain along said path or area, (b) an icon positioned on the left or right side of the display representing the aircraft, the altitude of which is to scale with the height of the terrain, and (c) an altitude reference scale;

wherein the width of the swath is at least 0.1 nautical miles and no greater than the distance of the minimum accuracy of the means for determining the aircraft's location.

2. A flight information display for the flight deck of an aircraft showing a side view of the landing approach for the aircraft on a runway, comprising (a) a pictorial representation to scale of the profile of the current projected path of the descent of the aircraft, (b) a pictorial representation to the same scale of the profile of the vertical glide slope of the approach plate, (c) an icon positioned on the left or right side of the display representing the aircraft; the altitude of which is depicted to the same scale, and (d) a altitude reference scale.

3. A flight information display for the flight deck of an aircraft comprising (a) a fixed reference point or icon representing the current location of the aircraft, (b) a pictorial representation of at least 0.5 nm of the profile of the projected flight path of the aircraft, (c) a an icon showing the location at which the aircraft will reach a target speed based on its current

speed and acceleration. This display provides an indication of where in the vertical plane and along the flight path the target speed will be achieved.

sub. c1 4. A flight information display for the flight deck of an aircraft, which comprises (a) an icon having a fixed position on the left side of the display representing the aircraft; (b) a vertical altitude scale which changes as the altitude of the aircraft changes so that the altitude number horizontally aligned with the aircraft icon is the current altitude of the aircraft and aircraft icon is located vertically along the altitude reference scale while always being in view, and (c) a pictorial representation of a lateral view of any terrain directly in front of the aircraft.